

## SAFETY DATA SHEET

## Silverhook Brake Cleaner

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Product name

Brake Cleaner Aerosol

ref: SGBC5

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses

Brake Cleaner

**1.3. Details of the supplier of the safety data sheet**

Silverhook Ltd  
Unit 14 Bates Road  
Harold Wood, London, England  
RM3 0JH  
Tel.: +44 (0) 1708330500  
Fax.: +44 (0) 1708330504  
Email: [522@silverhook.co.uk](mailto:522@silverhook.co.uk)  
Responsible person email: 522@silverhook.co.uk

**1.4. Emergency telephone number**

+44 (0) 1708330500 (during office hours)

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Classification****Physical hazards**

Aerosol 1 - H222, H229

**Health hazards**

Skin Irrit. 2 - H315 STOT SE 3 - H336

**Environmental hazards**

Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC)

Xi;R38. F+;R12. N;R51/53. R67.

**Human health**

Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

**Environmental**

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

**Physicochemical**

Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

**2.2. Label elements**

Pictogram



Signal word

Danger



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## Hazard statements

H222 Extremely flammable aerosol.  
 H315 Causes skin irritation.  
 H229 Pressurised container: may burst if heated  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

## Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 P271 Use only outdoors or in a well-ventilated area.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 P102 Keep out of reach of children.  
 P501 Dispose of contents/container in accordance with local regulations.  
 P260 Do not breathe vapour/spray.  
 P262 Do not get in eyes, on skin, or on clothing.

Contains

HYDROCARBONS, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane, PROPAN-2-OL

**2.3. Other hazards****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

HYDROCARBONS, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		60-100%
CAS number: — EC number: 921-024-6 REACH registration number: 01-2119475514-35		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.	
Skin Irrit. 2 - H315		
Asp. Tox. 1 - H304		
STOT SE 3 - H336		
Aquatic Chronic 2 - H411		
PROPAN-2-OL		1-5%
CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-2119457558-25		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225	F;R11 Xi;R36 R67	
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
HEXANE-norm		<1%
CAS number: 110-54-3 EC number: 203-777-6 REACH registration number: 01-2119480412-44		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225	F;R11 Repr. Cat. 3;R62 Xn;R48/20,R65 Xi;R38 R67 N;R51/53	
Skin Irrit. 2 - H315		
Repr. 2 - H361f		
Asp. Tox. 1 - H304		
STOT SE 3 - H336		
STOT RE 2 - H373		
Aquatic Chronic 2 - H411		

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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

#### **4.1. Description of first aid measures**

##### **General information**

Move affected person to fresh air at once.

##### **Inhalation**

If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

##### **Ingestion**

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

##### **Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water.

##### **Eye contact**

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes.

#### **4.2. Most important symptoms and effects, both acute and delayed**

#### **4.3. Indication of any immediate medical attention and special treatment needed**

### SECTION 5: FIREFIGHTING MEASURES

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Extinguish with foam, carbon dioxide, dry powder or water fog.

#### **5.2. Special hazards arising from the substance or mixture**

##### **Specific hazards**

Containers can burst violently or explode when heated, due to excessive pressure build-up. Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is highly flammable.

#### **5.3. Advice for firefighters**

##### **Protective actions during firefighting**

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **Personal precautions**

Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.

#### **6.2. Environmental precautions**

##### **Environmental precautions**

Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

#### **6.3. Methods and material for containment and cleaning up**

##### **Methods for cleaning up**

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion.

#### **6.4. Reference to other sections**

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**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling****Usage precautions**

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Do not spray on a naked flame or any incandescent material.

**7.2. Conditions for safe storage, including any incompatibilities****Storage precautions**

Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

**7.3. Specific end use(s)****SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limits**

HYDROCARBONS, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Long-term exposure limit (8-hour TWA): WEL 1200 mg/m<sup>3</sup>

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

HEXANE-norm

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Ingredient comments

WEL = Workplace Exposure Limits

**PROPAN-2-OL(CAS:67-63-0)**

DNEL	Industry - Dermal; Long term systemic effects: 888 mg/kg/day
	Industry - Inhalation; Long term systemic effects: 500 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 319 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 26 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 89 mg/m <sup>3</sup>
PNEC	- Fresh water; 140.9 mg/l
	- Marine water; 140.9 mg/l
	- Intermittent release; 140.9 mg/l
	- Sediment (Freshwater); 552 mg/kg
	- Sediment (Marinewater); 552 mg/kg
	- STP; 2251 mg/l
	- Soil; 28 mg/kg

**8.2. Exposure controls****Protective equipment****Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

**Personal protection**

When using do not smoke.

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### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

### Hand protection

Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

### Hygiene measures

Wash hands after handling. Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance                      Aerosol.  
Colour                              Colourless.  
Odour                               Citrus  
Initial boiling point and range  
60°C @ Flash  
point  
No information available.  
Upper/lower flammability or explosive limits  
: 1  
Relative density                  0.71 @°C  
Auto-ignition temperature      410-580°C Comments  
Information given is applicable to the major ingredient.

### 9.2. Other information

Volatile organic compound  
This product contains a maximum VOC content of 598 g/litre.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

#### Stability

Avoid the following conditions: Heat, sparks, flames.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Oxides of carbon. Oxides of nitrogen.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### General information

Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

#### Inhalation

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.

#### Skin contact

Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

#### Eye contact

Irritating to eyes. Vapour or spray in the eyes may cause irritation and smarting. Repeated exposure may cause chronic eye irritation.

#### Acute and chronic health hazards

Arrhythmia (deviation from normal heart beat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

#### Route of entry

Inhalation Skin absorption

#### Target organs

Central nervous system Respiratory system, lungs

#### Medical symptoms

Arrhythmia (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness.

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

**12.1. Toxicity****12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****General information**

Do not puncture or incinerate, even when empty.

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion.

**SECTION 14: TRANSPORT INFORMATION****General**

This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

**14.1. UN Number**

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

**14.2. UN proper shipping name**

Proper shipping name (ADR/RID)	Aerosols (hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
Proper shipping name (IMDG)	Aerosols (hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
Proper shipping name (ICAO)	Aerosols (hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
Proper shipping name (ADN)	Aerosols (hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)

**14.3. Transport hazard class(es)**

ADR/RID class	2.1
ADR/RID subsidiary risk	
ADR/RID label	2.1
IMDG class	2.1
IMDG subsidiary risk	
ICAO class/division	
ICAO subsidiary risk	2.1
Transport labels	

**14.4. Packing group**

Not applicable  
ADR/RID packing group  
IMDG packing group  
ICAO packing group

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant



Yes

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**14.6. Special precautions for user**

EmS

F-D, S-U

Emergency Action Code

Hazard Identification Number (ADR/RID)

Tunnel restriction code

(D)

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code****SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture****National regulations**

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended). The Aerosol Dispensers Regulations 1977 & 1999

**EU legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**Guidance**

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

**15.2. Chemical safety assessment****SECTION 16: OTHER INFORMATION**

Revision date 24/06/2020

Revision 2

SDS number 12565

SDS status Approved.

Risk phrases in full

The product is highly flammable.  
 R12 Extremely flammable. Irritating to eyes.  
 R38 Irritating to skin.  
 R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R62 Possible risk of impaired fertility.  
 R65 Harmful: may cause lung damage if swallowed.  
 R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H222 Extremely flammable aerosol.  
 H225 Highly flammable liquid and vapour.  
 H229 Pressurised container: may burst if heated  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 H361f Suspected of damaging fertility.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H411 Toxic to aquatic life with long lasting effects.

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

## Silverhook Brake Cleaner